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/*Name: Sahil Badve PRN: B24CE1114 Div: S.Y.B-Tech 2 Batch: C*/
#include <iostream>
using namespace std;

int main() {
    int n;

    cout << "Enter number of cards: ";
    cin >> n;

    int cards[n];
    cout << "Enter the cards (numbers): ";
    for (int i = 0; i < n; i++) {
        cin >> cards[i];
    }

    for (int i = 1; i < n; i++) {
        int temp = cards[i];
        int j = i - 1;

        while (j >= 0 && cards[j] > temp) {
            cards[j + 1] = cards[j];
            j--;
        }

        cards[j + 1] = temp;

        cout << "After inserting card " << temp << ": ";
        for (int t = 0; t < n; t++) {
            cout << cards[t] << " ";
        }
        cout << endl;
    }

    cout << "Final sorted hand: ";
    for (int i = 0; i < n; i++) {
        cout << cards[i] << " ";
    }
    cout << endl;

    return 0;
}

```

OUTPUT:-

```
Enter number of cards: 5
Enter the cards (numbers): 5 2 1 9 8
After inserting card 2: 2 5 1 9 8
After inserting card 1: 1 2 5 9 8
After inserting card 9: 1 2 5 9 8
After inserting card 8: 1 2 5 8 9
Final sorted hand: 1 2 5 8 9
```